

Title (en)
Method and apparatus for transmitting and receiving status information of forward channel in a mobile communication system supporting selective transmit diversity

Title (de)
Verfahren und Gerät zum senden und empfangen von Statusangaben des Abwärtskanals in einem Mobilkommunikationssystem das selektive Sendediversität unterstützt

Title (fr)
Procédé et appareil pour émission et réception d'information sur l'état d'un canal descendant dans un système de communication mobile supportant la diversité sélective d'émission

Publication
EP 1339252 B1 20070221 (EN)

Application
EP 03004267 A 20030226

Priority
KR 20020010229 A 20020226

Abstract (en)
[origin: EP1339252A2] A mobile station supporting selective transmit diversity (STD) efficiently transmits forward channel status information to a base station in a 1xEV-DV mobile communication system. The mobile station receives signals transmitted from the base station through a plurality of transmission antennas, measures signal strengths of the received signals, compares the measured signal strengths after compensating for a transmission power difference between the transmission antennas, and selects a transmission antenna having the highest signal strength. The mobile station transmits forward channel status information indicating measured signal strength for a signal transmitted from the selected transmission antenna to the base station along with antenna selection information indicating the selected transmission antenna. The forward channel status information includes absolute status information representing measured signal strength for a transmission antenna selected at a current time interval, or relative status information representing a result obtained by comparing the measured signal strength for the transmission antenna selected at the current time interval with measured signal strength for a transmission antenna selected at a previous time interval. <IMAGE>

IPC 8 full level
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